

# WINDSHEAR: An invisible threat at any airport

## The challenges

Windshear is a persistent problem for airports around the globe.



Since 2000 almost  
**500** fatalities  
due to windshear<sup>1</sup>



Since 2000 over  
**30** windshear  
accidents<sup>1</sup>



**75%** of all delays are  
weather related<sup>2</sup>

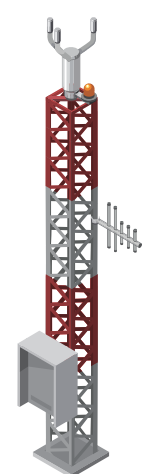
**The solution: An integrated system offering situational awareness, actionable data, and improved safety.**

### Three realities of windshear avoidance:

- 1 Windshear is detectable.
- 2 Every airport is different.
- 3 No single windshear solution fits all.

## Vaisala AviMet: A complete, integrated solution

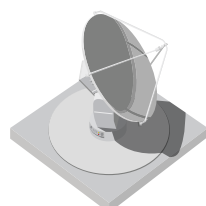
AviMet® integrates the three best windshear detection technologies — or any combination thereof depending on an airport's unique needs — into one system:



**Anemometer-based low level  
windshear alert system (LLWAS)**  
The industry standard for detection  
in runway corridors



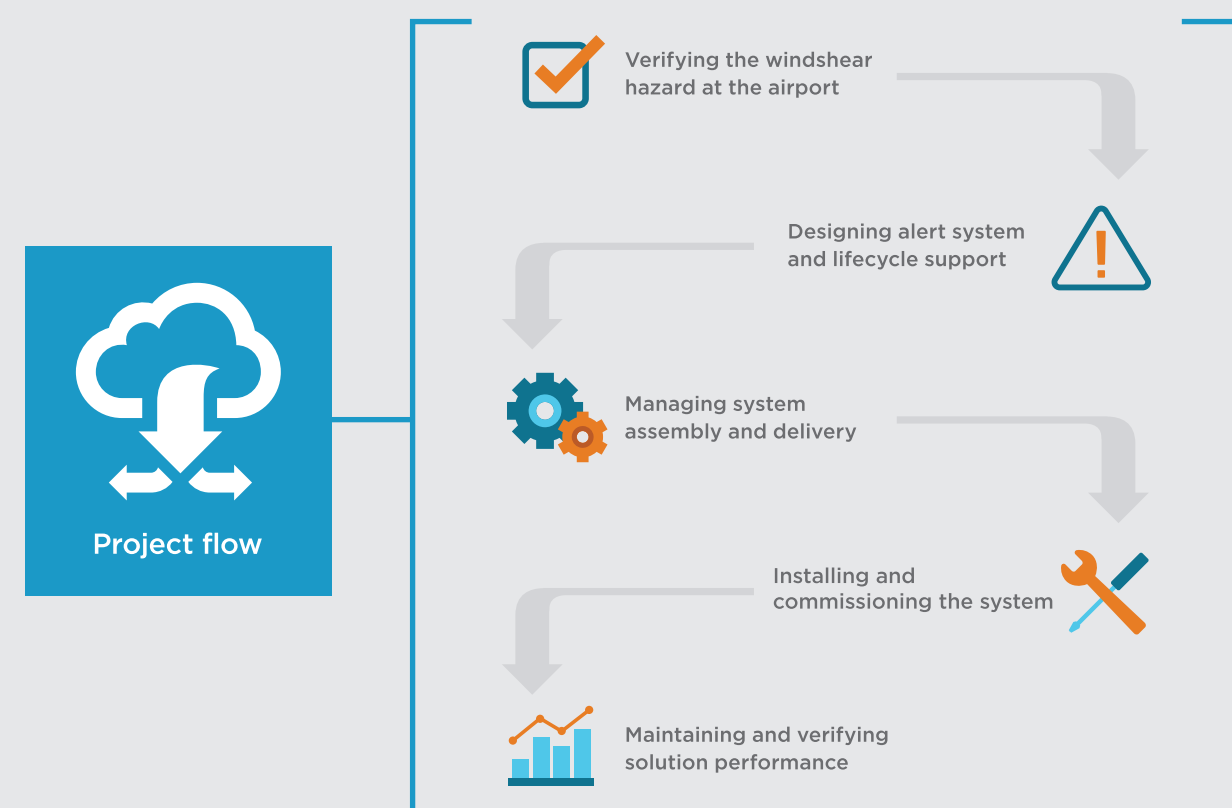
**Wind lidar**  
3D wind awareness at long range



**X-band weather radar**  
Enhanced weather detection  
beyond the airport

## Building the right windshear solution

AviMet combines the best qualities of the primary windshear detection methods to increase the probability of detection while minimizing false alarm rates.



## Key benefits of AviMet



**Customized**  
Airports get exactly what they need based on geography and unique needs.



**Powerful**  
Pilots and other personnel get dramatically improved situational awareness.



**Dependable**  
Vaisala technology is the industry standard, proven over thousands of deployments worldwide.



**Sustainable**  
A unified, scalable solution for improved aviation safety and efficiency.



**AviMet windshear alert system**